Contains No CBI

RHÔNE-POULENC

TOXICOLOGY DEPARTMENT
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INTERNATIONAL TELEX NUMBER 4999378-ANSWERBACK APC RTP

October 12, 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 640 082 513

8EHQ-92-12103
INIT
88920010341

Document Processing Center (TS-790)
Office of Toxic Substances
US Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

Attn: Section 8(e) Coordinator (CAP Agreement)

RE: Report Submitted Pursuant to the TSCA Section 8(e) Compliance Audit Program

CAP ID No.: 8ECAP - 0004

Dear Sir/Madam:

On behalf of Rhône-Poulenc Inc. (RPI, CN 5266, Princeton, NJ 08543-5266) and its subsidiary Rhône-Poulenc Ag Company, the attached study report is being submitted to the Environmental Protection Agency (EPA) pursuant to the Toxic Substances Control Act (TSCA) Section 8(e) Compliance Audit Program and the Agreement for a TSCA Section 8(e) Compliance Audit Program (CAP Agreement) executed by RPI and EPA.

The enclosed study report provides information on MCTR-170-77. The CAS number and name for this chemical are 25134-08-1 and dichlorobenzoyl chloride. This compound is used by RPAC as an intermediate in pesticide manufacture.

No claims of confidentiality are made for this submission. The title of the enclosed report is "Approximate Acute Oral Toxicity (LD50) in Rats". The following is a summary of the adverse effects observed in this study.

This study is being submitted under Section 8(e) because of the observed effects. At a nonlethal dose of 1.0 ml/kg, decreased activity, salivation, diarrhea, and tremors were noted. At higher doses with 30 to 100% mortality, sedation, urination, nasal discharge, and ataxia were observed in addition to the signs noted at 1.0 ml/kg. The acute oral LD50 was determined to be 1.58 ml/kg.

No previous TSCA Section 8(e) notices have been submitted on this chemical, but several will be submitted under the CAP.

In total, RPI is submitting three copies of the enclosed report and this cover letter: an original and two copies.

Further questions regarding this submission may be directed to the undersigned at 919-549-2222.

Sincerely,

Glenn S. Simon, PhD, DABT
Director of Toxicology

(3)

FDRL

FOOD AND DRUG Research LABORATORIES, INC.

WAVERLY RESEARCH CENTER
Route 17C
P. O. Box 107
Waverly, New York 14892
(607) 565-2931

R E P O R T

Submitted to: Mobil Chemical Company
Box 240
Edison, New Jersey

Date: May 27, 1977

Laboratory No. 5486a

Sample: Pale yellow clear liquid.

Marking: MCTR-170-77; T. Ellison

Examination Requested: Approximate acute oral toxicity (LD_{50}) in rats.

Procedure: The acute (single dose) oral toxicity was determined in rats employing a modified procedure in "Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics, Published by the Association of Food and Drug Officials of the U.S. (1959)".

Animals: Adult albino rats BLU: (LE) BR Long-Evans derived, were fasted for 18 hours prior to dosage with food and water *ad libitum*, after dosage. Groups of 5 males and 5 females were then intubated with the respective doses of the test material. Animals were observed daily for 14 days following administration of the test material, and deaths were recorded.

The acute oral toxicity LD_{50} for rats was calculated according to the method of Miller and Tainter (Proc. Soc. Biol. Med. 57, 261 (1944)).

Results and Summary: See Tables 1, 2, and 3

Conclusion: The approximate acute oral LD_{50} obtained for the test material identified above is 1.58 ± 0.11 ml/kg of body weight estimated by interpolation from the probit response curve.

ACUTE ORAL TOXICITY RATING

2 MODERATELY TOXIC

2.37 ± 0.17 g/kg (Corrected)

Jean Griffiths
Jean Griffiths,
Study Director

John G. Babish
John G. Babish, Ph.D.
Staff Toxicologist
Waverly Research Center

FDRL

Table 1

Preliminary Search

Dosage* Level ml/kg	No. Rats Dosed	Deaths Day 0	1	2	3	4	5	6	7	Mortality After 7 Days
1.0	2	0	0	0	0	0	0	0	0	0/2
2.5	2	0	2	-	-	-	-	-	-	2/2
5.0	2	0	2	-	-	-	-	-	-	2/2
10.0	2	1	1	-	-	-	-	-	-	2/2
15.0	2	2	-	-	-	-	-	-	-	2/2

* Administered as received.

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Table 2

Summary of LD_{50} Assay

Dosage* Level ml/kg	No. Rats Dosed	Deaths Day 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Mortality After 14 Days
1.0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0/10
1.50	10	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3/10
1.75	10	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	8/10
2.00	10	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9/10
2.50	10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	10/10

* Administered as received

FDRL

Table 3

Summary of Observations

Dose Level ml/kg	Symptoms	Necropsy Findings
1.0	Activity decreased, Salivation, diarrhea, tremors.	No deaths.
1.5	Activity decreased, ataxia, sedate, salivation.	Mottled liver, skin and GI tract vascularized, blood like substance in bladder.
1.75	Activity decreased, ataxia, blood in nasal discharge, sedate, urinary inconsistancy.	Mottled liver, skin and GI tract vascularized, blood contained in GI tract and bladder.
2.00	Activity decreased, ataxia, salivation, sedate, urinary inconsistancy, nasal discharge, diarrhea, tremors.	Liver mottled and dark in color, skin and GI tract vascularized, blood contained in GI tract and bladder, yellowish-white substance contained in intestines.
2.50	Activity decreased, ataxia, salivation, nasal discharge, sedate, diarrhea, tremors.	Liver and spleen dark in color, Kidneys pale, skin and GI tract vascularized, stomach distended, yellowish-white substance contained in stomach and intestines

Triage of 8(e) Submissions

Date sent to triage: MAY 0 9 1995

NON-CAP CAP

Submission number: 12103A

TSCA Inventory: Y N D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO AQUATO

Group 2 - Ernie Falke (1 copy total)

ATOX SBTOX SEN w/NEUR

Group 3 - Elizabeth Margosches (1 copy each)

STOX CTOX EPI RTOX GTOX

STOX/ONCO CTOX/ONCO IMMUNO CYTO NEUR

Other (FATE, EXPO, MET, etc.): _____

Notes:

THIS IS THE ORIGINAL 8(e) SUBMISSION; PLEASE REFILE AFTER TRIAGE DATABASE ENTRY

For Contractor Use Only

entire document: 0 1 2 **pages** 1,2 **pages** 1,2,3,4,5,6

Notes:

Contractor reviewer : PDR **Date:** 4/25/95

CECATS\TRIAGE TRACKING DBASE ENTRY FORM

CECATS DATA:
Submission # 8EHQ- 1092 - 12103 SEQ. A

TYPE: (INT.) SUPP FLWP

SUBMITTER NAME: Rhone - Poulenc Inc.

SUB. DATE: 10/12/92 OTS DATE: 10/21/92 CSRAD DATE: 03/10/95

CHEMICAL NAME: MCTR -170 - 77

CAS#: 25134 - 08 - 1

INFORMATION REQUESTED: FLWP DATE:
0501 NO INFO REQUESTED
0502 INFO REQUESTED (TECH)
0503 INFO REQUESTED (VOL ACTIONS)
0504 INFO REQUESTED (REPORTING RATIONALE)

DISPOSITION:
0639 REFER TO CHEMICAL SCREENING
0678 CAP NOTICE

VOLUNTARY ACTIONS:
0401 NO ACTION REPORTED
0402 STUDIES PLANNED/UNDERWAY
0403 NOTIFICATION OF WORKERS/OTHERS
0404 LABEL/MSDS CHANGES
0405 PROCESS/HANDLING CHANGES
0406 APP./USE DISCONTINUED
0407 PRODUCTION DISCONTINUED
0408 CONFIDENTIAL

INFORMATION TYPE:		P F C
0201	ONCO (HUMAN)	01 02 04
0202	ONCO (ANIMAL)	01 02 04
0203	CELL TRANS (IN VITRO)	01 02 04
0204	MUTA (IN VITRO)	01 02 04
0205	MUTA (IN VIVO)	01 02 04
0206	REPRO/TERATO (HUMAN)	01 02 04
0207	REPRO/TERATO (ANIMAL)	01 02 04
0208	NEURO (HUMAN)	01 02 04
(0209)	NEURO (ANIMAL)	01 02 04
0210	ACUTE TOX. (HUMAN)	01 02 04
0211	CHR. TOX. (HUMAN)	01 02 04
(0212)	ACUTE TOX. (ANIMAL)	01 02 04
0213	SUB ACUTE TOX (ANIMAL)	01 02 04
0214	SUB CHRONIC TOX (ANIMAL)	01 02 04
0215	CHRONIC TOX (ANIMAL)	01 02 04

INFORMATION TYPE:		P F C
0216	EPI/CLIN	01 02 04
0217	HUMAN EXPOS (PROD CONTAM)	01 02 04
0218	HUMAN EXPOS (ACCIDENTAL)	01 02 04
0219	HUMAN EXPOS (MONITORING)	01 02 04
0220	ECO/AQUA TOX	01 02 04
0221	ENV. OCCC/REL/FATE	01 02 04
0222	EMER INCI OF ENV CONTAM	01 02 04
0223	RESPONSE REQEST DELAY	01 02 04
0224	PROD/COMP/CHEM ID	01 02 04
0225	REPORTING RATIONALE	01 02 04
0226	CONFIDENTIAL	01 02 04
0227	ALLERG (HUMAN)	01 02 04
0228	ALLERG (ANIMAL)	01 02 04
0239	METAB/PHARMACO (ANIMAL)	01 02 04
0240	METAB/PHARMACO (HUMAN)	01 02 04

INFORMATION TYPE:		P F C
0241	IMMUNO (ANIMAL)	01 02 04
0242	IMMUNO (HUMAN)	01 02 04
(0243)	CHEM/PHYS PROP	01 02 04
0244	CLASTO (IN VITRO)	01 02 04
0245	CLASTO (ANIMAL)	01 02 04
0246	CLASTO (HUMAN)	01 02 04
0247	DNA DAM/REPAIR	01 02 04
(0248)	PROD/USE/PROC	01 02 04
0251	MSDS	01 02 04
0299	OTHER	01 02 04

TRIAGE DATA: NON-CBI INVENTORY
(YES)
CAS SR NO
IN TERMINI

ONGOING REVIEW
YES (DROP/REFER)
NO (CONTINUE)
REFER

SPECIES
RAT

ATOX
TOXICOLOGICAL CONCERN:
(LOW)
MED
HIGH

USE:
intermediate in pesticide manuf.

PRODUCTION:

-CPSS- 0927952113

0 0 0 0 0 0 0 0 0 0 0 0
> <ID NUMBER>
8(E)-12103A

> <TOX CONCERN>
L

> <COMMENT>
ACUTE ORAL TOXICITY IN RATS IS LOW CONCERN BASED ON AN LD50 OF 1.58 ML/KG. DOSE (ML/KG) AND MORTALITY: 1.0 (0/10), 1.5 (3/10), 1.75 (8/10), 2.0 (9/10), AND 2.5 (10/10). DURING A PRELIMINARY STUDY 10 ANIMALS (2/DOSE) WERE ADMINISTERED 1.0, 2.5, 5. 0, 10, AND 15 ML/KG OF TEST MATERIAL. MORTALITY OCCURRED AT DOSAGES OF 1.5 ML/KG AND HIGHER. CLINICAL SIGNS INCLUDED DECREASED ACTIVITY, SALIVATION, DIARRHEA, TREMORS, SEDATION, URINATION, BLOOD IN NASAL DISCHARGE, AND ATAXIA. NECROPSY REVEALED MOTTLED AND/OR DARK IN COLOR LIVER, SKIN AND GI TRACT VASCULARIZED, BLOOD-LIKE SUBSTANCE IN BLADDER AND/OR GI TRACT, LIVER AND SPLEEN DARK IN COLOR, PALE KIDNEYS, AND YELLOWISH- WHITE SUBSTANCE IN STOMACH AND INTESTINES.

$$$$